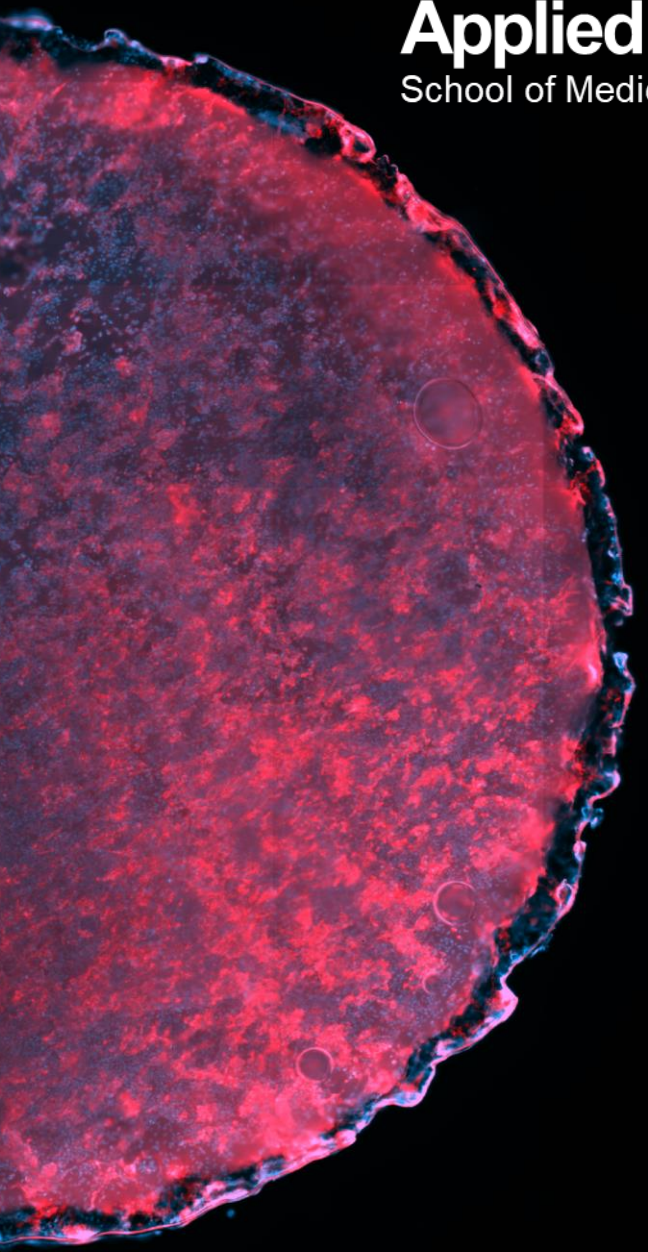
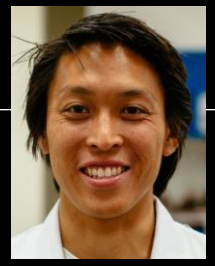
Applied Materials Research Group (APMG)

School of Medical Sciences, Department of Physiology, University of Sydney

THE UNIVERSITY OF SYDNEY





Dr. Richard Tan, Postdoctoral Researcher

Dr. Steven Wise, Group Leader University of Sydney

"We are a multidisciplinary research unit that develops and optimises new classes of biomaterials and the latest in synthetically produced plasma surfaces and nanoparticles for therapeutic use in vascular disease and more broadly in tissue repair."

Biologists

Prof. Peter Thorn, University of Sydney

Prof. Yin Xiao, Queensland University of Technology

Clinicians

A/Prof. Martin Ng, Royal Prince Alfred Hospital

Prof. Edward Fisher, New York University

Engineers

Prof. Marcela Bilek, University of Sydney

Dr. Jelena Rnjak-Kovacina, University of New South Wales

Translational Pathway

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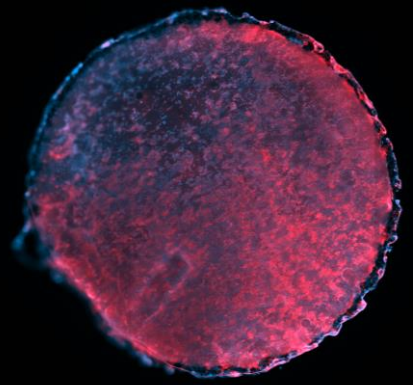
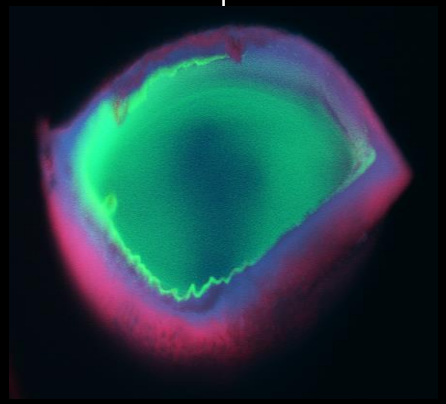
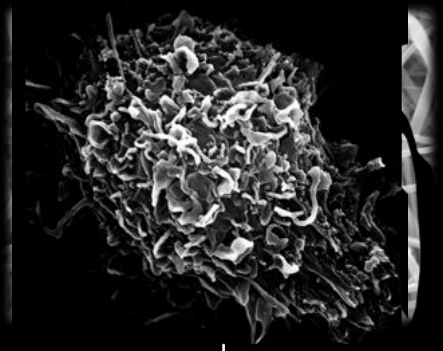
UNMET CLINICAL NEED

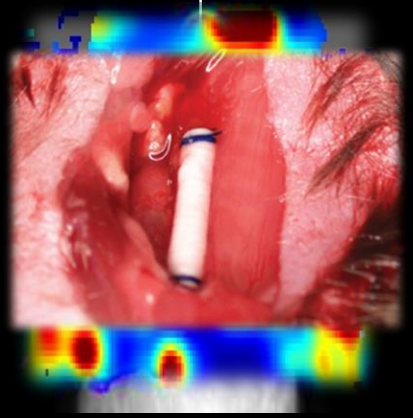


1. MATERIALS INNOVATION

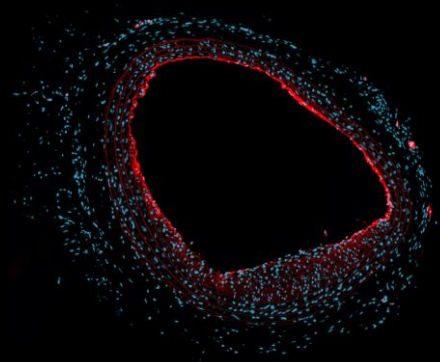


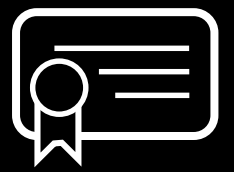


2. SCREENING & DEVELOPMENT



3. PRE-CLINICAL EVALUATION





PATENT FILINGS

INDUSTRY PARTNERSHIPS

$

COMMERCIALISATION GRANT SCHEMES

Gaps in Support and Collaboration

Applied Materials Research Group (APMG)
School of Medical Sciences, Department of Physiology, University of Sydney

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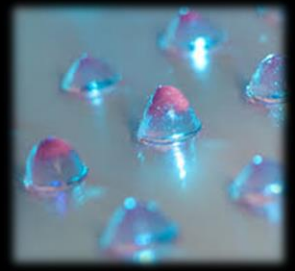
1. MATERIALS INNOVATION

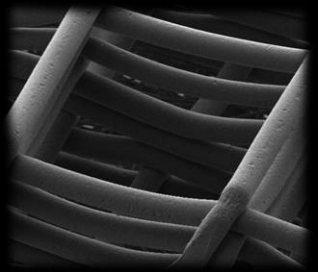
Novel materials platforms

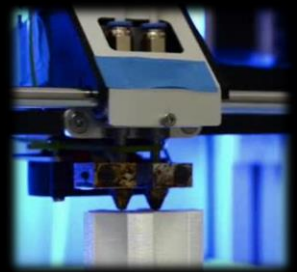
Hydrogels

3D printing

Melt Electrospinning







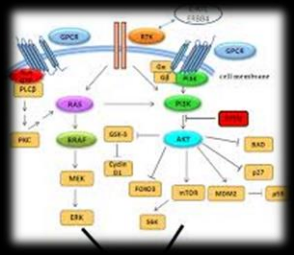
2. SCREENING & DEVELOPMENT

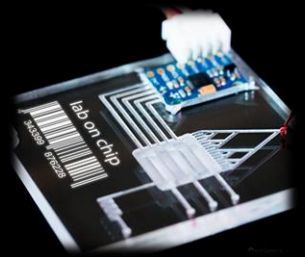
High Throughput Assays

Novel Targets

Microfluidics

Precision Medicine





3. PRE-CLINICAL EVALUATION

Large Animal Models

Injury

Disease

Drug Efficacy